Abstract

A suture anchor having a conical surface and a bore in which an end of an insertion tool is inserted. The insertion end of the insertion tool is made of material having elastic properties. The bore and base of the suture anchor are
angled with respect to the central axis of the suture anchor and preferably are parallel to each other. During insertion, the suture anchor is reoriented to fit into the hole, thereby bending the elastic end of the insertion tool. When the suture anchor is within cancellous bone tissue, the elastic properties of the insertion tool deploys the suture anchor to an orientation in which the suture anchor cannot fit through the bone hole, thereby firmly anchoring the suture anchor in the human bone.